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# **IDAHO SPARK**

**Student Program for Aeronautics Resources for  
Knowledge**

## **STATUS REPORT**

**Covering the Time Period June 15, 1996 - June 15, 1997**

**Idaho SPARK  
College of Education, Room 506-F  
University of Idaho  
Moscow, Idaho 83844-3080**

**NASA Cooperative Agreement Number: NCC 2-914**

*JUN 10 1997  
C.A.S.J.*

### Summary Information:

This status report reviews the work completed and in progress on Idaho SPARK: Student Program for Aeronautics Resources for Knowledge, between June 15, 1996 and June 15, 1997. All progress is reported by goal, objective and milestone as specified in the Idaho SPARK proposal dated February 10, 1995.

All milestones are on schedule or in progress. With the exception of the Boeing Museum of Air and Flight milestones. The visit to the Boeing Museum and the evaluation have been postponed until July 16 - July 20. The trip was postponed to increase the priority given to the high school students' class attendance. By postponing the trip into the summer vacation months all Upward Bound students will be able to attend without missing school.

Efforts are now focused on the improvement and continual development of the SPARK homepage as well as successful student achievement within the Upward Bound summer program.

### Personnel:

Kay Brothers, serves as director of Idaho SPARK on a full time basis (2,088 hours/year). Her duties include curriculum development, instruction, homepage development, network support and supervision.

Patricia Boyd, serves as fiscal officer of Idaho SPARK on a part-time basis (696 hours/year). Her duties include budget management, office administration and support.

All in-kind personnel matching continues to be on schedule.

### Budget:

<b>Category</b>	<b>Budgeted</b>	<b>Balance</b>
Salary	\$ 32,656.00	\$ 3,002.52
Fringe	\$ 10,517.00	(\$ 2,857.33)
Irregular Help	\$ 7,204.00	(\$ 2,290.12)
Travel	\$ 16,814.00	\$ 11,934.80
Operating Expense	\$ 15,828.60	\$ 1,977.97
Capital Outlay	\$ 0	\$ 91.50
Reserve	\$ 0	\$ 0
Overhead	\$ 33,700.00	\$ 9,074.88
Trustee Benefits	\$ 3,170.40	0
Total	\$119,890.00	\$ 20,958.42

Salary and Irregular Help are budgeted through June 30, 1997. This report is as of June 13, 1997.

The balance in salary is due to holdbacks required by the Idaho legislature for Fiscal Year 1997. A "lag" in payroll reporting was implemented December 27, 1996. The amount spent for FY 1997 will equal the amount budgeted after an adjustment for the "lag" is made by the Finance Office at fiscal year end.

The fringe benefit deficit is due to an underestimated calendar year rate increase. Fringe benefits were underestimated for FY 97 and a \$1,815.59 deficit was carried over from FY 1996. There will be an adjustment in fringes as well as salary made at fiscal year end which will add to the deficit in fringe benefits.

Irregular help began with a \$46.78 deficit and there continues to be a pay period lag of two weeks within the University of Idaho system for Irregular Help. \$234.50 paid to Lisa Peite, and \$589.20 paid to Jerry Prout for a photography session were not budgeted. The \$234.50 will be transferred to another budget. The \$589.20 should actually be considered an operating expense. The expense came out of Irregular Help as Mr. Prout was a University employee at the time of the session.

Total hours worked, and total salary, fringe and hourly rate will be as budgeted.

Travel began with a \$1,853.99 deficit carried over from FY 96. The balance remaining is for June travel budgeted for internships and the planned trip to the Boeing Museum of Air and Flight.

Operating expenses started the year with a \$1,487.66 deficit, but should be within the amount budgeted for Year two.

Overhead began FY 97 with a \$2,864.01 deficit. May and June overhead are not shown, but Year Two overhead will be less than budgeted.

A complete Budget report is located in appendix C.

#### Milestone Completion and Status by Goal and Objective

A complete copy of the original Cooperative Agreement Payment Schedule can be found in Appendix A.

##### **Goal 1 - Completed**

To make effective use of the excitement of technology and NASA's broad mission to increase awareness, interest, and general knowledge of aeronautics grades 9-12.

**Goal 2 - In Progress**

To create an increased information and support mechanism for students and faculty as they expand their interests in aeronautic studies.

**Objective: A - In Progress**

To train 30 high school students and 25 teachers in aeronautic content, information system use (Internet), computer modeling, and human factors of aerial vehicles design and operation.

<b>Milestone</b>	<b>Status</b>
Integrate aeronautic content, information system use (Internet), computer modeling, and human factors of aerial vehicles design and operation into existing University of Idaho Upward Bound's curriculum theme of space. (May, 1996).	Completed
Perform formative and summative integration evaluation of content, instruction, practice, and relevance. (June, 1996)	Completed
Execute six week University of Idaho Upward Bound modified curriculum. (June - August, 1996, 1997 & 1998).	In Progress
Perform formative evaluation of content, instruction, practice, and relevance. (June - August, 1996, 1997).	In Progress
Perform summative evaluation of content, instruction, practice, and relevance. (June -August, 1996 & 1997; December, 1996 & 1997).	In Progress
Execute two-week teacher workshop in aeronautic content, information system use (Internet), computer modeling, and human factors of aerial vehicles design and operation. (June - August, 1996).	Completed
Perform formative evaluation of content, instruction, practice, and relevance. (June - August, 1996).	Completed
Perform summative evaluation of content, instruction, practice, and relevance. October, 1996).	Completed

**Objective: C - In Progress**

Match business persons and scientists with site schools.

Milestone	Status
Obtain design and inquiry challenges from business and scientists. (June, 1996; February, 1997; June, 1997; February, 1998; June, 1998).	In Progress
Obtain site school and student objectives and measurements of successful attainment. (June, 1996; February, 1997; June, 1997; February, 1998; June, 1998).	In Progress
Set design and inquiry requirements for each site location. (June, 1996; February, 1997; June, 1997; February, 1998; June, 1998).	In Progress
Execute design and inquiry challenges in SPARK schools. (September, 1996 - June, 1997; September, 1997 - June, 1998).	In Progress
Perform formative and summative evaluation on design and inquiry challenges. (September, 1996 - June, 1997; September, 1997 - June, 1998).	In Progress

**Objective: D - In Progress**

Develop a speaker's bureau on the home page called "Aeronautic Net Speakers".

Milestone	Status
Attain prospective Aeronautic Net Speakers. (June - September, 1995).	Completed & In Progress, Appendix E
Develop home page item featuring Aeronautic Net Speakers by field of study, location, and job description. (January, 1996).	Completed & In Progress

**Goal 3 - In Progress**

To create a link between rural and Native American populations, and urban communities.

**Objective: A - In Progress**

To create a sense of the larger world for students and teachers.

Milestone	Status
Conduct Internet server and node session. (July, 1996, 1997 & 1998).	In Progress
Evaluate Internet session. (July, 1996, 1997, & 1998).	In Progress
Match students and teachers with urban counterparts. These counterparts will to be chosen from either a sister CAN awardee or Western Regional Space Grant College and Fellowship Consortia members. (August, 1996, 1997, & 1998).	Pending
Conduct three-day field study of Boeing Museum of Air and Flight, Seattle Washington. This activity to be done with Upward Bound, Vocational Education, Mathematics and Science teachers, and the Vocational College teachers. ( Spring 1997)	Postponed & Pending -
Perform daily formative evaluation of logistics and objectives.	Postponed & Pending
Perform summative evaluation of preparation, value, and relevance. (May, 1997, & 1998).	Postponed & Pending

**Objective: B - In Progress**

To apply telecomputing to meet a cultural and geographic need.

Milestone	Status
Conduct three-day apprenticeship training visitation carried out by the Upward Bound, Vocational Education, and Mathematics and Science teachers to be held at research facilities or business sites (Idaho National Engineering Laboratory, Boeing, C & S Tek, First Step Computers, MRC, Idaho Transportation Department -Division of Aeronautics). (June - August 1997).	Altered & Completed
Perform summative evaluation of training visitation. (September, 1997).	Pending
Conduct week-long site visit and four-week completion Apprenticeship for Upward Bound students. (June - August, 1997, & 1998).	Pending
Perform daily formative and summative evaluation of telecomputing apprenticeship program of content, instruction, support, practice, communication, and relevance. (June - August, 1997 & July, 1998).	Pending

A complete copy of Summary of Milestones, Completion Dates and Payment Milestones can be found in Appendix B.

### Summary of Milestones, Completion Dates and Payment Milestones

Milestone(completion date)	Dec. 29 1995	Mar. 29 1996	Sept. 30 1996	Mar. 31 1997	Sept. 30 1997	Mar. 31 1998	June 30 1998
Develop standards for material and information resource quality review. (July, 1995)	13,186						
Review NASA Teacher Resource Network materials, and aeronautic education materials. (July, 1995)	13,186						
Select appropriate materials for SPARK schools. (September, 1995)	5000						
Visit and demonstrate selected aeronautic materials and information resources. (December, 1995)	13,186						
Obtain prospective "Aeronautic Net" speakers. (September, 1995)	1,000						
Develop a home page based on standards consistent with national and state curriculum practices. (August, 1995)	13,186						
Perform formative evaluation of items, style, and appeal. (March, 1996)		5,000					
Develop home page item featuring "Aeronautic Net Speakers". (January, 1996)		5,225					
Perform formative and summative evaluation; integrate evaluation. (June 1996)			3,000				
Integrate aeronautic content, information system use (Internet), computer modeling, and human factors into existing University of Idaho Upward Bound curriculum theme of space. (March, 1996)		37,745					
Conduct six week University of Idaho Upward Bound modified curriculum. (August, 1996 & 1997)			17,319		17,319		
Perform formative and summative evaluation of content, instruction, practice, and relevance of curriculum. (June - August, 1996 & 1997; December, 1996 & 1997)				5,000		1,550	
Conduct two week teacher workshop in aeronautic content, information system use (Internet), computer modeling, and human factors. (August, 1996)			14,926				
Perform formative and summative evaluation of content, instruction, practice, and relevance of workshop. (June - August, 1996 ; December, 1996 )				5,000		1,550	
Conduct Internet server and node site session. (June, 1996, 1997, & 1998)			2,000		1,550		1,550
Evaluate Internet server and node session. (July, 1996, 1997, & 1998)			5,000		2,000		2,000

Shading = completed

Milestone(completion date)	Dec. 29 1995	Mar. 29 1996	Sept. 30 1996	Mar. 31 1997	Sept. 30 1997	Mar. 31 1998	June 30 1998
Conduct three day field trip study of Boeing Museum of Air and Flight, Seattle Washington. (May, 1997 & 1998)			14,926		14,926		
Perform daily formative and final summative evaluations of logistics and objectives, preparation, value and relevance of field trip. (May, 1997 & 1998)					500		500
Match students and teachers with urban counterparts. (July, 1996, 1997, & June, 1998)			7,463		1,550		1,550
Obtain student objectives and measurements of success. (June, 1996; February, 1997; June, 1997; February, 1998, & June, 1998)			7,463	7,463	2,080	2,080	2,080
Obtain design and inquiry challenges. (June, 1996; February, 1997; June, 1997; February, 1998, & June, 1998)			7,463		1,550	1,550	1,550
Set design and inquiry requirements. (June, 1996; February, 1997; June, 1997; February, 1998, & June, 1998)			7,463	7,463	1,550	1,550	1,550
Evaluate (formative and summative) design and inquiry challenges. (September, 1996-June, 1997; September, 1997-June, 1998)					1,550		1,550
Conduct three day apprenticeship training Upward Bound, Vocational Education, site school teachers. (July, 1997)					9,430		
Perform summative evaluation of training session. (September, 1997)					500		
Execute one week apprentice site requirement four week home completion by Upward Bound students. (August, 1997 & June, 1998)					2,000		2,000
Perform daily formative and summative evaluation of telecomputing apprenticeship program for content, instruction, support, practice, communication and relevance. (August, 1997 & June 1998)					2,000		2,000
<b>Payment Milestone Totals</b>	<b>58,745</b>	<b>47,970</b>	<b>87,823</b>	<b>24,926</b>	<b>58,505</b>	<b>8,280</b>	<b>16,330</b>

Shading = completed



### Project Research and Evaluation

Appropriate and timely progress has been made toward completing the strategic assessment and evaluation plan. The evaluation procedure and design has been reviewed by The Northwest Regional Educational Laboratory (NWREL). Additionally, all instruments have been reviewed by NWREL. All instruments have been pilot tested. Results from pilot testing have been incorporated into the existing instrument design.

The strategic assessment and evaluation plan consists of six components designed to determine overall attainment of project objectives: (a) key personnel formative and summative evaluation of project materials and methods, (b) participants' evaluation of project components, (c) summative evaluation of participants' knowledge and attitudes toward aeronautics and information resources, (d) impact of project on science and mathematics students' acquisition of knowledge, skills, processes, and relationships, (e) key personnel's overall summative evaluation of project impact in light of all measures and evaluative reports, and (f) external evaluation. Each of these is described below.

(a) Evaluation of Project Materials and Methods. The project objectives are compiled into a detailed chronological listing of activities, outcomes or products, beginning and completion dates, and persons assigned responsibility. These activities are reviewed at least monthly by senior project personnel for qualitative analysis and timely completion. Specific activities then will be modified in light of the results (formative), or the results will be reported (summative). Completed on a payment milestone basis.

(b) Participant Evaluation of Project. Participants' evaluation of project components will include several parts.

Task	Status
Participating teachers will complete an assessment of the program instructional materials and methods	Completed & in Progress
Participating teachers will complete an assessment of the quality, relevance, and usefulness of instruction.	Completed & in Progress
Participating teachers will assess the extent to which the project components impacted project goal and objective implementation	Completed & in Progress
Objective items, I Likert Rating Scale items, and open-ended questions will be used to collect data.	Pending
Senior personnel will then compile and analyze data to determine the significance of the data; reports will be prepared that describe participants' perceptions of the projects' impact and effectiveness.	In Progress

**(c) Formative and Summative Evaluation of Teacher and Staff Participants.**

<b>Task</b>	<b>Status</b>
The objective measure will be developed by the project personnel	Completed, Appendix E
Participants' knowledge and attitude toward aeronautics and information resources will be measured via ongoing and final objective assessment knowledge and rating scales attitude	In Progress
Science Teaching Self-Efficacy Beliefs Inventory to measure attitude development (general attitude and self-efficacy).	In Progress
The data for these measures will be subjected to a variety of inferential statistics tests to determine the level(s) of significance of the data. These tests include t-tests, Wilcoxon matched-pairs signed rank tests, and Chi-squared tests of significance.	In Progress

**(d) Impact on Upward Bound Science and Mathematics Students. Pending**

**(e) Overall Project Evaluation.** The personnel will collect all data and evaluative reports from the above components and prepare midterm and annual reports indicating levels of success and areas of concern in need of revision. Completed & In Progress

**(f) Outside Evaluation Component.** An external evaluation will be conducted by the Northwest Regional Educational Laboratory. Completed & In Progress

**Dissemination of Project Information**

A key component of the Idaho SPARK program is dissemination of project information. Many efforts have been made to increase the visibility of Idaho SPARK and NASA specifically. An essential enabling component has been the support and networking of the National Space Grant College and Fellowship Program and the Idaho Space Grant Consortium. The highlights of the SPARK dissemination include:

- six local, state, and national, presentations by project personnel;
- one State Department of Education print release;
- one national poster display presentation;
- one nationally distributed CD-ROM of exceptional science and mathematics programs for teachers (release date September, 1996).

## **Appendix A**

### **Cooperative Agreement Payment Schedule Section 10.0**

**Dated February 10, 1995  
NCC 2-914**

## 10.0 - Cooperative Agreement Payment Schedule

### Goal 1

To make effective use of the excitement of technology and NASA's broad mission to increase awareness, interest, and general knowledge of aeronautics grades 9-12.

#### *Objective: A*

To gather and distribute a comprehensive array of NASA educational materials, specifically aeronautics- related materials.

#### *Milestones:*

- ◆ Develop an accepted set of standards for material review based on accepted measures of quality. (July, 1995).
- ◆ Review NASA Teacher Resource Network materials, and aeronautic education materials from: Ames Research Center, Dryden Flight Center, Langley Research Center, and Lewis Research Center. (June - August, 1995).
- ◆ Select applicable materials for school site distribution. (September, 1995).

#### *Objective: B*

To demonstrate a wide variety of technological equipment and electronic information resources in order to introduce Native American, disadvantaged, and rural youth to aeronautic careers and opportunities.

#### *Milestones:*

- ◆ Develop an accepted set of standards for technology equipment and information resources review based on accepted measures of quality. (July, 1995).
- ◆ Review most recent developments in technology equipment and information as well as existing school-district-owned equipment and match acceptable selections with initial budget request and specifications. (July - September, 1995).
- ◆ Visit site schools and demonstrate selected aeronautic materials and technology equipment and information resources. (October, 1995 - December, 1995).

### Goal 2

To create an increased information and support mechanism for students and faculty as they expand their interests in aeronautic studies.

#### *Objective: A*

To train 30 high school students and 25 teachers in aeronautic content, information system use (Internet), computer modeling, and human factors of aerial vehicles design and operation.

***Milestones:***

- ♦ Integrate aeronautic content, information system use (Internet), computer modeling, and human factors of aerial vehicles design and operation into existing University of Idaho Upward Bound's curriculum theme of space. (May, 1996).
- ♦ Perform formative and summative integration evaluation of content, instruction, practice, and relevance. (June, 1996)
- ♦ Execute six week University of Idaho Upward Bound modified curriculum. (June - August, 1996, 1997 & 1998).
- ♦ Perform formative evaluation of content, instruction, practice, and relevance. (June - August, 1996, 1997).
- ♦ Perform summative evaluation of content, instruction, practice, and relevance. (June - August, 1996 & 1997; December, 1996 & 1997).
- ♦ Execute two-week teacher workshop in aeronautic content, information system use (Internet), computer modeling, and human factors of aerial vehicles design and operation. (June - August, 1996).
- ♦ Perform formative evaluation of content, instruction, practice, and relevance. (June - August, 1996).
- ♦ Perform summative evaluation of content, instruction, practice, and relevance. October, 1996).

***Objective: B***

Setup local area access server.

***Milestones:***

- ♦ Develop an accepted set of standards for home page information based on accepted measures of quality and develop site school objectives to be consistent with National and State curriculum practices. (February, 1996).
- ♦ Create a home page. (February, 1996).
- ♦ Perform formative evaluation for the items to be included and their style and appeal. (March, 1996).

***Objective: C***

Match business persons and scientists with site schools.

***Milestones:***

- ♦ Obtain design and inquiry challenges from business and scientists. (June, 1996; February, 1997; June, 1997; February, 1998; June, 1998).
- ♦ Obtain site school and student objectives and measurements of successful attainment. (June, 1996; February, 1997; June, 1997; February, 1998; June, 1998).
- ♦ Set design and inquiry requirements for each site location. (June, 1996; February, 1997; June, 1997; February, 1998; June, 1998).
- ♦ Execute design and inquiry challenges in SPARK schools. (September, 1996 - June, 1997; September, 1997 - June, 1998).

- ◆ Perform formative and summative evaluation on design and inquiry challenges. (September, 1996 - June, 1997; September, 1997 - June, 1998).

**Objective: D**

Develop a speaker's bureau on the home page called "Aeronautic Net Speakers".

**Milestones:**

- ◆ Attain prospective Aeronautic Net Speakers. (June - September, 1995).
- ◆ Develop home page item featuring Aeronautic Net Speakers by field of study, location, and job description. (January, 1996).

**Goal 3**

To create a link between rural and Native American populations, and urban communities.

**Objective: A**

To create a sense of the larger world for students and teachers.

**Milestones:**

- ◆ Conduct Internet server and node session. (July, 1996, 1997 & 1998).
- ◆ Evaluate Internet session. (July, 1996, 1997, & 1998).
- ◆ Match students and teachers with urban counterparts. These counterparts will be chosen from either a sister CAN awardee or Western Regional Space Grant College and Fellowship Consortia members. (August, 1996, 1997, & 1998).
- ◆ Conduct three-day field study of Boeing Museum of Air and Flight, Seattle Washington. This activity to be done with Upward Bound, Vocational Education, Mathematics and Science teachers, and the Vocational College teachers. (Spring 1997).
- ◆ Perform daily formative evaluation of logistics and objectives.
- ◆ Perform summative evaluation of preparation, value, and relevance. (May, 1997, & 1998).

**Objective: B**

To apply telecomputing to meet a cultural and geographic need.

**Milestones:**

- ◆ Conduct three-day apprenticeship training visitation carried out by the Upward Bound, Vocational Education, and Mathematics and Science teachers to be held at research facilities or business sites (Idaho National Engineering Laboratory, Boeing, C & S Tek, First Step Computers, MRC, Idaho Transportation Department -Division of Aeronautics). (June - August 1997).
- ◆ Perform summative evaluation of training visitation. (September, 1997).
- ◆ Conduct week-long site visit and four-week completion Apprenticeship for Upward Bound students. (June - August, 1997, & 1998).
- ◆ Perform daily formative and summative evaluation of telecomputing apprenticeship program of content, instruction, support, practice, communication, and relevance. (June - August, 1997 & July, 1998).

## **Appendix B**

### **Summary of Milestones, Completion Dates and Payment Milestones Section 9.7**

**Dated February 10, 1995  
NCC 2-914**

### Summary of Milestones, Completion Dates and Payment Milestones

Milestone(completion date)	Dec. 29 1995	Mar. 29 1996	Sept. 30 1996	Mar. 31 1997	Sept. 30 1997	Mar. 31 1998	June 30 1998
Develop standards for material and information resource quality review. (July, 1995)	13,186						
Review NASA Teacher Resource Network materials, and aeronautic education materials. (July, 1995)	13,186						
Select appropriate materials for SPARK schools. (September, 1995)	5000						
Visit and demonstrate selected aeronautic materials and information resources. (December, 1995)	13,186						
Obtain prospective "Aeronautic Net" speakers. (September, 1995)	1,000						
Develop a home page based on standards consistent with national and state curriculum practices. (August, 1995)	13,186						
Perform formative evaluation of items, style, and appeal. (March, 1996)		5,000					
Develop home page item featuring "Aeronautic Net Speakers". (January, 1996)		5,225					
Perform formative and summative evaluation; integrate evaluation. (June 1996)			3,000				
Integrate aeronautic content, information system use (Internet), computer modeling, and human factors into existing University of Idaho Upward Bound curriculum theme of space. (March, 1996)		37,745					
Conduct six week University of Idaho Upward Bound modified curriculum. (August, 1996 & 1997)			17,319		17,319		
Perform formative and summative evaluation of content, instruction, practice, and relevance of curriculum. (June - August, 1996 & 1997; December, 1996 & 1997)				5,000		1,550	
Conduct two week teacher workshop in aeronautic content, information system use (Internet), computer modeling, and human factors. (August, 1996)			14,926				
Perform formative and summative evaluation of content, instruction, practice, and relevance of workshop. (June - August, 1996 ; December, 1996 )				5,000		1,550	
Conduct Internet server and node site session. (June, 1996, 1997, & 1998)			2,000		1,550		1,550
Evaluate Internet server and node session. (July, 1996, 1997, & 1998)			5,000		2,000		2,000



<b>Milestone(completion date)</b>	<b>Dec. 29 1995</b>	<b>Mar. 29 1996</b>	<b>Sept. 30 1996</b>	<b>Mar. 31 1997</b>	<b>Sept. 30 1997</b>	<b>Mar. 31 1998</b>	<b>June 30 1998</b>
Conduct three day field trip study of Boeing Museum of Air and Flight, Seattle Washington. (May, 1997 & 1998)			14,926		14,926		
Perform daily formative and final summative evaluations of logistics and objectives, preparation, value and relevance of field trip. (May, 1997 & 1998)					500		500
Match students and teachers with urban counterparts. (July, 1996, 1997, & June, 1998)			7,463		1,550		1,550
Obtain student objectives and measurements of success. (June, 1996; February, 1997; June, 1997; February, 1998, & June, 1998)			7,463	7,463	2,080	2,080	2,080
Obtain design and inquiry challenges. (June, 1996; February, 1997; June, 1997; February, 1998, & June, 1998)			7,463		1,550	1,550	1,550
Set design and inquiry requirements. (June, 1996; February, 1997; June, 1997; February, 1998, & June, 1998)			7,463	7,463	1,550	1,550	1,550
Evaluate (formative and summative) design and inquiry challenges. (September, 1996-June, 1997; September, 1997-June, 1998)					1,550		1,550
Conduct three day apprenticeship training Upward Bound, Vocational Education, site school teachers. (July, 1997)					9,430		
Perform summative evaluation of training session. (September, 1997)					500		
Execute one week apprentice site requirement four week home completion by Upward Bound students. (August, 1997 & June, 1998)					2,000		2,000
Perform daily formative and summative evaluation of telecomputing apprenticeship program for content, instruction, support, practice, communication and relevance. (August, 1997 & June 1998)					2,000		2,000
<b>Payment Milestone Totals</b>	<b>58,745</b>	<b>47,970</b>	<b>87,023</b>	<b>24,926</b>	<b>58,505</b>	<b>8,280</b>	<b>16,330</b>

## **Appendix C**

### **Departmental Finance Detail Report Granting Period June 15, 1995 through June 15, 1996**

**NCC 2-914**

6/3/97

Departmental Finance Detail Report  
Fiscal Year 1997

Granting Period 7-1-96 to 6-30-97

Idaho SPARK EG K026

01 Salary	02 Fringe	Description	Salary	Fringe	Total
Balance Forward					
6/28/96	Supplement	6-15-96 to 12-14-96	\$0.00	\$0.04	\$0.00
7/12/96	Key Brothers	salary	\$18,655.00		
7/26/96	Key Brothers	salary		\$1,226.40	
8/9/96	Key Brothers	salary		\$1,226.40	
8/23/96	Key Brothers	salary		\$1,300.80	
9/6/96	Key Brothers	salary		\$1,251.20	
9/20/96	Key Brothers	salary		\$1,251.20	
10/4/96	Key Brothers	salary		\$1,251.20	
10/18/96	Key Brothers	salary		\$1,251.20	
11/1/96	Key Brothers	salary		\$1,251.20	
11/15/96	Key Brothers	salary		\$1,251.20	
11/29/96	Key Brothers	salary		\$1,251.20	
12/13/96	Key Brothers	salary		\$1,251.20	
12/27/96	Key Brothers	salary		\$1,126.08	
1/10/97	Key Brothers	salary		\$1,126.08	
1/24/97	Key Brothers	salary		\$1,126.08	
2/19/97	Supplement	6-15-96 to 6-14-97	\$18,001.00		
2/7/97	Key Brothers	salary		\$1,126.08	
2/21/97	Key Brothers	salary		\$1,126.08	
3/7/97	Key Brothers	salary		\$1,126.08	
3/21/97	Key Brothers	salary		\$1,126.08	
4/4/97	Key Brothers	salary		\$1,126.08	
4/18/97	Key Brothers	salary		\$1,126.08	
5/2/97	Key Brothers	salary		\$1,126.08	
5/16/97	Key Brothers	salary		\$1,126.08	
5/30/97	Key Brothers	salary		\$1,126.08	
6/13/97	Key Brothers	salary		\$1,126.08	
.....					
Ending Balance			\$32,656.00	\$29,653.48	\$3,002.52
02 Fringe					
Balance Forward					
6/28/96	Supplement	6-15 to 12-14-96	\$0.00	\$1,515.59	\$0.00
6/30/96	Fringe benefits		\$5,364.00	\$76.55	
7/12/96	Fringe benefits			\$425.46	
7/26/96	Fringe benefits			\$425.74	
8/9/96	Fringe benefits			\$482.38	
8/23/96	Fringe benefits			\$454.61	
9/6/96	Fringe benefits			\$432.15	
9/20/96	Fringe benefits			\$481.59	
10/4/96	Fringe benefits			\$515.34	
10/18/96	Fringe benefits			\$462.42	
11/1/96	Fringe benefits			\$508.79	

6/3/97

# Departmental Finance Detail Report

## Fiscal Year 1997

Granting Period 7-1-96 to 6-30-97

Idaho SPARK EG K026

Check Number	Date	Vendor	Description	Budget	Expend	Encumbrance	Balance
11/15/96		Fringe benefits			\$493.31		
11/29/96		Fringe benefits			\$479.32		
12/12/96		Fringe benefits			\$523.25		
12/27/96		Fringe benefits			\$515.09		
1/10/97		Fringe benefits			\$461.86		
1/24/97		Fringe benefits			\$430.62		
2/19/97		Supplement	6-15 -96 to 6-14-97	\$5,153.00			
2/7/97		Fringe benefits			\$409.81		
2/21/97		Fringe benefits			\$417.02		
3/7/97		Fringe benefits			\$419.46		
3/7/96		Fringe benefits			\$448.07		
4/4/97		Fringe benefits			\$451.04		
4/18/97		Fringe benefits			\$450.42		
5/2/97		Fringe benefits			\$454.41		
5/16/97		Fringe benefits			\$460.20		
5/30/97		Fringe benefits			\$448.61		
6/13/97		Fringe benefits			\$431.22		
.....							
Ending Balance				\$10,517.00	\$13,374.33	\$0.00	(\$2,857.33)
Balance Forward				\$0.00	\$46.78	\$0.00	\$0.00
6/28/96		Supplement	6-15 to 12-14-96	\$3,674.00			
7/12/96		Pat Boyd	ih		\$609.00		
7/26/96		Pat Boyd	ih		\$165.00		
8/9/96		Pat Boyd	ih		\$305.33		
8/23/96		Pat Boyd	ih		\$178.54		
9/6/96		Pat Boyd	ih		\$331.20		
9/20/96		Pat Boyd	ih		\$393.30		
10/4/96		Pat Boyd	ih		\$496.80		
10/18/96		Pat Boyd	ih		\$240.64		
11/1/96		Pat Boyd	ih		\$289.80		
11/15/96		Pat Boyd	ih		\$486.45		
11/29/96		Pat Boyd	ih		\$375.19		
12/13/96		Pat Boyd	ih		\$269.93		
12/27/96		Pat Boyd	ih		\$382.85		
1/10/97		Pat Boyd	ih		\$414.00		
1/24/97		Pat Boyd	ih		\$165.60		
1/30/97		Pat Boyd-8-23-96 payer	charged to EAY300-Pat L error		(\$11.20)		
2/19/97		Supplement	6-15-96 to 6-14-97	\$3,530.00			
3/7/97		Pat Boyd	ih		\$165.60		
3/7/97		Lisa Peite	should be EGK 911		\$234.50		
3/21/97		Pat Boyd	ih		\$472.68		
3/31/97		Jerry Prout	Photo session on 3-25-97		\$589.20		
4/4/97		Pat Boyd	ih		\$496.80		
4/18/97		Pat Boyd	ih		\$491.63		

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Idaho SPARK EG K026

6/3/97	Date	Number	Vendor	Description	Debit	Credit	Balance
	5/2/97		Pat Boyd	ih		\$496.80	
	5/16/97		Pat Boyd	ih		\$517.50	
	5/30/97		Pat Boyd	ih		\$476.10	
	6/13/97		Pat Boyd	ih		\$414.00	
	.....						
	Ending Balance				\$7,204.00	\$9,484.12	(\$2,280.12)
	6/4 Travel						
	Balance Forward				\$0.00	\$1,853.99	\$0.00
	6/28/96		Supplement	6-15 to 12-14-96	\$8,575.00	\$399.30	
	7/30/96	DDP 159727	Departures	Key Brothers-PI 9-14-96, D.C.		\$399.30	
	7/30/96	DP 159728	Departures	Isabel Bond-PI 9-14-96, D.C.		\$1,075.38	
	9/30/96	tr30552	Key Brothers	NASA PI Meeting 9-14/ 9-19-96		\$1,162.00	
	9/30/96	tr305561	David Atkinson	NASA PI Meeting 9-14/ 9-19-96			
	2/19/97		Supplement	6-15-96 to 6-14-97	\$8,239.00		
	2/17/97	cv746183	Key Brothers	telephone reimbursement		\$15.14	
	3/10/97	dp159728	CT to EFKO15	Isabel Bond-DC trip credit 9-14-97		(\$389.30)	
	3/24/97	tegc0001	Key Brothers	Ellensburg-Talent Search (50%)		\$57.38	
	4/15/97	tegc0004	Key Brothers	NASP Conf. CDA 4-13-14, 1997		\$311.60	
	5/6/97	cv746208	Key Brothers	Telephone Reimbursement		\$4.41	
	.....						
	Ending Balance				\$16,814.00	\$4,879.20	\$11,934.80
	6/6 Operating Expenses						
	Balance Forward				\$0.00	\$1,487.66	\$0.00
	6/28/96		6-15 to 12-14-96	R. Edgerton/ S. Coone-Wkshop		\$108.71	
	7/10/96	CV746154	Univ. Inn.	June, 1996		\$16.50	
	7/10/96		Telephone-Local	June, 1996		\$10.92	
	7/10/96		Telephone-Long distance	patch cord for SPARK office		\$5.00	
	7/11/96	ldm99826	Computer Services	Workshop supplies		\$104.85	
	7/15/96	cv746163	Key Brothers	MS Front Page		\$338.00	
	7/15/96	dp159723	The Right Byte	Disposable camera w/film		\$10.46	
	7/17/96		Wal Mart/Key Brothers	disk		\$12.60	
	7/21/96	ldg19195	UI Bookstore	calculator, highlighters		\$71.56	
	7/25/96	dp159726	Ken's Stationary	Super Cutaways book		\$7.19	
	7/29/96	ldg19196	UI Bookstore	Connectivity-Plummer-7-7-96		\$105.00	
	7/23/96	cv746167	GTE Northwest	scan SPARK logo		\$20.00	
	7/31/96	ldd 36431	UI Printing & Design	July, 1996		\$63.95	
	8/6/96		Ed Copier	July, 1996		\$43.73	
	8/8/96		Campus Mail	July, 1996		\$16.50	
	8/19/96		Telephone - Local	July, 1996		\$17.25	
	8/19/96		Telephone - Long Dist.	July, 1996		\$105.00	
	8/20/96	cv746171	GTE Northwest	Connectivity-Plummer-8-7-96		\$300.00	
	8/20/96	cv746170	BDM Federal	Reg fees I ITA Conference		\$18.37	
	8/27/96	pc	Pay Lees-Western-Key	Film & film processing		\$46.00	
	8/28/96	ldg19197	Ed Tech.	Windows 95 - 2			

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DATE	Vendor	Particular	Description	Budget	Expense
9/3/96	idg19198	UI Bookstore	index dividers		\$1.57
9/5/96		Photocopy Service	color printing		\$3.00
9/9/96		Transfer to Trustee/B			
9/12/96		Campus Mail	August, 1996		\$2.94
9/16/96		Color copies	graphs for PI Meeting		\$29.00
9/16/96		Telephone - Local	August, 1996		\$18.50
9/17/96		Telephone - Long Dist.	August, 1996		\$18.48
9/20/96	idg19200	UI Bookstore	Microsoft Office, MS Frontpage bk		\$225.95
9/23/96	cv746174	Classroom Connect	subscription-Classroom Connect		\$58.00
9/23/96	cv746175	GTE Northwest	Connectivity-Plummer-9-7-96		\$105.00
9/30/96	tr305562	Key-telephone	PI meeting		\$0.75
9/30/96	idd 36456	UI Printing & Design	Display for NASA Conf.		\$343.80
		Deve -telephone	PI meeting		\$16.75
10/10/96	l0214645	Fedex - NASA	Am. Research Center-6-21-96		\$12.00
10/15/96		Fedex-Goddard	Space Flight-8-8-96		\$6.50
10/17/96	ldg 19199	UI Bookstore	notepads, folders		\$8.64
10/21/96	ldv12310	UI Motor Pool	Car rental-NASA visit		\$121.38
10/22/96	cv746177	GTE Northwest	Connectivity-Plummer 10-7-96		\$105.00
10/23/96	ldg11583	Ed. copier charges	Jul-96		\$9.63
10/25/96	ldg30326	UI Bookstore	office supplies, thank-you's		\$21.06
10/31/96	jo112615	Conf. Services	Housing for SPARK Workshop		\$414.00
10/31/96		Conf. Services	SUB costs for SPARK Workshop		\$60.00
10/31/96		Conf. Services	Equip. & rentals-SPARK Workshop		\$42.00
10/31/96		Conf. Services	Meals -SPARK Workshop		\$3,005.67
11/1/96	cv46178	Telephone-Local	Sept, 1996		\$16.50
11/1/96	pcv	Telephone-Long dist.	Sept. 1996		\$29.13
11/2/96		Payless-Key	prizes for RECALL		\$25.03
11/5/96		Dell	AC adaptor and kit		\$97.00
11/12/96	ldg24840	UI Bookstore	credit-Frontpage		(\$6.00)
11/14/96		The Right Byte	WA tax on PO #159723		\$25.35
11/19/96	ldg2571	UI Bookstore	campus phonebook		\$2.02
11/19/96	ldg24890	UI Bookstore	returned thank-yous#IDG30326		(\$8.55)
11/26/96	cm961126	Campus Mail	Oct. 1996		\$10.04
11/27/96	cv746178	GTE NW	Connectivity-Plummer 11-7-96		\$105.00
10/22/96	dp159730	Microsoft	windows 95 on cd-rom		\$114.75
10/28/96	dp162246	PC Connection	Seagate hard drive		\$214.95
12/1/96		Telephone-Local	Oct., 1996		\$16.50
12/1/96		Telephone-Long Dist.	Oct. 1996		\$34.23
12/6/96	ldg11594	Photocopy charges	Aug., 1996		\$9.63
12/11/96	dp159733	Tower Hobbies	planes & parts		\$897.86
12/16/96		Telephone-Local	Nov. 1996		\$16.50
12/16/96		Telephone-Long Dist.	Nov. 1996		\$8.94
12/17/96	dp159734	Ken's Stationery	calendar, paper		\$31.86
12/18/96	dp174960	Kit's Camera's	Connectivity-Plummer 12-7-96		\$237.80
12/23/96	cv746179	GTE Northwest	cartridge for printer		\$105.00
12/23/96	cv746180	Printer Pro	Nov. 1996		\$69.00
12/20/96	cm961220	Campus Mail			\$6.42

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Granting Period 7-1-96 to 6-30-97

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Yr	Date	Yr	Number	Category	Description	Budget	Expended	Unexpended
1/14/97				Telephone-local	Dec. 1996		\$16.50	
1/14/97				Telephone-long distance	Dec. 1996		\$68.88	
1/29/97				Campus Mail	Dec. 1996		\$10.10	
2/1/97				Ed Copier	Oct. 1996		\$8.06	
2/12/97				Campus Mail	Jan. 1997		\$2.25	
2/13/97				Ed Copier	Sept. 1996		\$13.14	
2/17/97			cv746184	GTE Northwest	Connectivity -Plummer 1-7-97	\$9,085.00	\$105.00	
2/19/97				6-15-96 to 6-14-97				
2/20/97				Telephone-Local	Jan. 1997		\$16.50	
2/20/97				Telephone-long distance	Jan. 1997		\$40.17	
2/21/97				Federal Express	to Lee Duke		\$6.50	
2/26/97			cv746186	U. S. West Communication	Connec. Lapwai 9-6-96 to 3-3-97		\$826.17	
2/24/97			dp159737	Interact	Flight simulation		\$38.50	
2/24/97			cv746185	GTE Northwest	Connectivity - Plummer -2-7-97		\$105.00	
3/4/97			dp159738	Hodgins Drug Store	Gliders for class activity		\$12.90	
3/6/97			pettycash	Payless, Hodgins Drug	office supplies, gliders		\$54.65	
3/17/97			dp159742	Air Safety Foundation	Trigger Tape I, II		\$49.80	
3/17/97			dp159741	University Aviation Assoc	Collegiate Aviation Guide		\$22.95	
3/17/97			dp159743	Superintendent of Doc.	Trans. Ed. Director-College Lev			\$5.00
3/17/97			dp159740	Sporty's Shop	Pilote Comp, ASF Ft. Plan frms			\$19.20
3/18/97			cv746197	U. S. West	Lapwai connectivity to 4-3-97			
3/18/97			cv746196	GTE Northwest	Plummer 3-7-97		\$76.04	
3/19/97				Campus mail	Feb., 1997		\$105.00	
3/24/97			dp159744	Aviation Promotions	Careers in Aviation video		\$2.34	
3/25/97			pc325	Hodgins Drug-Pat Boyd	bease gliders for photo session		\$81.95	
3/25/97			cv746199	GAMA	Learn To Fly videos		\$17.22	
3/26/97			ldv12311	UI Motor Pool	Plummer & vic.-photo session		\$39.00	
3/20/97				FedEx	To Christy B.-Ames Research		\$23.69	
4/2/97			ldg30327	UI Book Store	Folders for summer session		\$26.82	
4/2/97			dp159739	World Flight Center	You Can Soar Video-guides		\$19.95	
3/24/97				Telephone	Local service-Feb., 1997		\$16.50	
3/24/97				Telephone	Long distance-Feb. 1997		\$29.49	
4/1/97			ldg32761	Ed copier	Jan. 1997		\$7.38	
4/3/97				Vendecard copies	March, 1997(UI Library)		\$11.00	
4/8/97			cv746202	Interprise America	Lapwai maintence contract		\$522.03	
4/11/97				Telephone	Local service-March 1997		\$16.50	
4/11/97				Telephone	Long distance-March 1997		\$53.83	
4/11/97			IDG 32767	Ed Copier	Feb., 1997		\$11.88	
4/15/97			cv746205	ISTE membership	1 year-Kay Brothers&software		\$68.00	
4/15/97				Central Stores	Office supplies		\$26.02	
4/16/97			dp159746	Ken's	Flip chart, markers		\$30.88	
4/16/97			dp159745	Kinko's	Laminiate posters/ folders		\$49.75	
4/16/97				Campus Mail	March, 1997		\$23.37	
4/16/97			IDG3275	Ed. Copier	March, 1997		\$14.72	
4/16/97			WO012572	U. I. Repairs & Maint.	Install cork on wall		\$214.50	
4/17/97			IDG32884	Ed. Copier	Nov., Dec., 1996		\$88.25	
4/21/97			cv746207	GTE Northwest	Plummer 4-7-97		\$105.00	

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Account Number	Date	Description	Budget	Expenses	Encumbrances
dp186203	4/21/97	Video Game Headquarters		\$108.00	
	4/22/97	Central Stores		\$9.10	
	5/5/97	Wal Mart/Pat Boyd		\$2.86	
pc	5/6/97	The Right Byte		\$203.18	
dp186204	5/14/97	The Right Byte		\$234.78	
dp186205	5/22/97	GTE NW		\$106.00	
cv	5/22/97	UI Bookstore		\$2.52	
idg30328	5/22/97	Ferrario's Flying Physics		\$408.25	
cv746211	5/28/97	Telephone		\$16.50	
	5/28/97	Telephone		\$62.13	
.....					
Ending Balance			\$15,828.60	\$13,826.43	\$1,977.97
005 Capital Outlay					
Balance Forward			\$0.00	(\$91.50)	\$0.00
.....					
Ending Balance			\$0.00	(\$91.50)	\$91.50
005 Reserve					
Balance Forward			\$0.00	\$0.00	\$0.00
.....					
Ending Balance			\$0.00	\$0.00	\$0.00
005 Overhead					
Balance Forward			\$0.00	\$2,864.01	\$0.00
6/28/96	8-15 to 12-14-96	July overhead	\$17,115.00	\$2,086.21	
7/30/96	August overhead	8-6-96 fdr		\$1,745.16	
8/30/96	September overhead	9-6-96 fdr		\$1,812.01	
9/30/96	October overhead	10-3-96 fdr		\$4,374.23	
10/30/96	November overhead	11-5-96 fdr		\$2,778.85	
11/30/96	December overhead	12/9/96 fdr		\$1,816.40	
12/30/96	January overhead	1-7-97 fdr		\$1,957.54	
1/29/97	February overhead	2-5-97 fdr			
2/18/97	March overhead	3-6-97 fdr	\$16,585.00	\$1,243.71	
2/26/97	April overhead	4-7-97 fdr		\$2,018.65	
3/27/97		5-7-97 fdr		\$1,928.35	
4/30/97					
.....					
Ending Balance			\$33,700.00	\$24,625.12	\$9,074.88
					24



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Granting Period 7-1-96 to 6-30-97

Idaho SPARK EG K026

7/97	6/97	5/97	4/97	3/97	2/97	1/97	12/96	11/96	10/96	9/96	8/96	7/96	6/96	5/96	4/96	3/96	2/96	1/96	12/95	11/95	10/95	9/95	8/95	7/95	6/95	5/95	4/95	3/95	2/95	1/95	12/94	11/94	10/94	9/94	8/94	7/94	6/94	5/94	4/94	3/94	2/94	1/94	12/93	11/93	10/93	9/93	8/93	7/93	6/93	5/93	4/93	3/93	2/93	1/93	12/92	11/92	10/92	9/92	8/92	7/92	6/92	5/92	4/92	3/92	2/92	1/92	12/91	11/91	10/91	9/91	8/91	7/91	6/91	5/91	4/91	3/91	2/91	1/91	12/90	11/90	10/90	9/90	8/90	7/90	6/90	5/90	4/90	3/90	2/90	1/90	12/89	11/89	10/89	9/89	8/89	7/89	6/89	5/89	4/89	3/89	2/89	1/89	12/88	11/88	10/88	9/88	8/88	7/88	6/88	5/88	4/88	3/88	2/88	1/88	12/87	11/87	10/87	9/87	8/87	7/87	6/87	5/87	4/87	3/87	2/87	1/87	12/86	11/86	10/86	9/86	8/86	7/86	6/86	5/86	4/86	3/86	2/86	1/86	12/85	11/85	10/85	9/85	8/85	7/85	6/85	5/85	4/85	3/85	2/85	1/85	12/84	11/84	10/84	9/84	8/84	7/84	6/84	5/84	4/84	3/84	2/84	1/84	12/83	11/83	10/83	9/83	8/83	7/83	6/83	5/83	4/83	3/83	2/83	1/83	12/82	11/82	10/82	9/82	8/82	7/82	6/82	5/82	4/82	3/82	2/82	1/82	12/81	11/81	10/81	9/81	8/81	7/81	6/81	5/81	4/81	3/81	2/81	1/81	12/80	11/80	10/80	9/80	8/80	7/80	6/80	5/80	4/80	3/80	2/80	1/80	12/79	11/79	10/79	9/79	8/79	7/79	6/79	5/79	4/79	3/79	2/79	1/79	12/78	11/78	10/78	9/78	8/78	7/78	6/78	5/78	4/78	3/78	2/78	1/78	12/77	11/77	10/77	9/77	8/77	7/77	6/77	5/77	4/77	3/77	2/77	1/77	12/76	11/76	10/76	9/76	8/76	7/76	6/76	5/76	4/76	3/76	2/76	1/76	12/75	11/75	10/75	9/75	8/75	7/75	6/75	5/75	4/75	3/75	2/75	1/75	12/74	11/74	10/74	9/74	8/74	7/74	6/74	5/74	4/74	3/74	2/74	1/74	12/73	11/73	10/73	9/73	8/73	7/73	6/73	5/73	4/73	3/73	2/73	1/73	12/72	11/72	10/72	9/72	8/72	7/72	6/72	5/72	4/72	3/72	2/72	1/72	12/71	11/71	10/71	9/71	8/71	7/71	6/71	5/71	4/71	3/71	2/71	1/71	12/70	11/70	10/70	9/70	8/70	7/70	6/70	5/70	4/70	3/70	2/70	1/70	12/69	11/69	10/69	9/69	8/69	7/69	6/69	5/69	4/69	3/69	2/69	1/69	12/68	11/68	10/68	9/68	8/68	7/68	6/68	5/68	4/68	3/68	2/68	1/68	12/67	11/67	10/67	9/67	8/67	7/67	6/67	5/67	4/67	3/67	2/67	1/67	12/66	11/66	10/66	9/66	8/66	7/66	6/66	5/66	4/66	3/66	2/66	1/66	12/65	11/65	10/65	9/65	8/65	7/65	6/65	5/65	4/65	3/65	2/65	1/65	12/64	11/64	10/64	9/64	8/64	7/64	6/64	5/64	4/64	3/64	2/64	1/64	12/63	11/63	10/63	9/63	8/63	7/63	6/63	5/63	4/63	3/63	2/63	1/63	12/62	11/62	10/62	9/62	8/62	7/62	6/62	5/62	4/62	3/62	2/62	1/62	12/61	11/61	10/61	9/61	8/61	7/61	6/61	5/61	4/61	3/61	2/61	1/61	12/60	11/60	10/60	9/60	8/60	7/60	6/60	5/60	4/60	3/60	2/60	1/60	12/59	11/59	10/59	9/59	8/59	7/59	6/59	5/59	4/59	3/59	2/59	1/59	12/58	11/58	10/58	9/58	8/58	7/58	6/58	5/58	4/58	3/58	2/58	1/58	12/57	11/57	10/57	9/57	8/57	7/57	6/57	5/57	4/57	3/57	2/57	1/57	12/56	11/56	10/56	9/56	8/56	7/56	6/56	5/56	4/56	3/56	2/56	1/56	12/55	11/55	10/55	9/55	8/55	7/55	6/55	5/55	4/55	3/55	2/55	1/55	12/54	11/54	10/54	9/54	8/54	7/54	6/54	5/54	4/54	3/54	2/54	1/54	12/53	11/53	10/53	9/53	8/53	7/53	6/53	5/53	4/53	3/53	2/53	1/53	12/52	11/52	10/52	9/52	8/52	7/52	6/52	5/52	4/52	3/52	2/52	1/52	12/51	11/51	10/51	9/51	8/51	7/51	6/51	5/51	4/51	3/51	2/51	1/51	12/50	11/50	10/50	9/50	8/50	7/50	6/50	5/50	4/50	3/50	2/50	1/50	12/49	11/49	10/49	9/49	8/49	7/49	6/49	5/49	4/49	3/49	2/49	1/49	12/48	11/48	10/48	9/48	8/48	7/48	6/48	5/48	4/48	3/48	2/48	1/48	12/47	11/47	10/47	9/47	8/47	7/47	6/47	5/47	4/47	3/47	2/47	1/47	12/46	11/46	10/46	9/46	8/46	7/46	6/46	5/46	4/46	3/46	2/46	1/46	12/45	11/45	10/45	9/45	8/45	7/45	6/45	5/45	4/45	3/45	2/45	1/45	12/44	11/44	10/44	9/44	8/44	7/44	6/44	5/44	4/44	3/44	2/44	1/44	12/43	11/43	10/43	9/43	8/43	7/43	6/43	5/43	4/43	3/43	2/43	1/43	12/42	11/42	10/42	9/42	8/42	7/42	6/42	5/42	4/42	3/42	2/42	1/42	12/41	11/41	10/41	9/41	8/41	7/41	6/41	5/41	4/41	3/41	2/41	1/41	12/40	11/40	10/40	9/40	8/40	7/40	6/40	5/40	4/40	3/40	2/40	1/40	12/39	11/39	10/39	9/39	8/39	7/39	6/39	5/39	4/39	3/39	2/39	1/39	12/38	11/38	10/38	9/38	8/38	7/38	6/38	5/38	4/38	3/38	2/38	1/38	12/37	11/37	10/37	9/37	8/37	7/37	6/37	5/37	4/37	3/37	2/37	1/37	12/36	11/36	10/36	9/36	8/36	7/36	6/36	5/36	4/36	3/36	2/36	1/36	12/35	11/35	10/35	9/35	8/35	7/35	6/35	5/35	4/35	3/35	2/35	1/35	12/34	11/34	10/34	9/34	8/34	7/34	6/34	5/34	4/34	3/34	2/34	1/34	12/33	11/33	10/33	9/33	8/33	7/33	6/33	5/33	4/33	3/33	2/33	1/33	12/32	11/32	10/32	9/32	8/32	7/32	6/32	5/32	4/32	3/32	2/32	1/32	12/31	11/31	10/31	9/31	8/31	7/31	6/31	5/31	4/31	3/31	2/31	1/31	12/30	11/30	10/30	9/30	8/30	7/30	6/30	5/30	4/30	3/30	2/30	1/30	12/29	11/29	10/29	9/29	8/29	7/29	6/29	5/29	4/29	3/29	2/29	1/29	12/28	11/28	10/28	9/28	8/28	7/28	6/28	5/28	4/28	3/28	2/28	1/28	12/27	11/27	10/27	9/27	8/27	7/27	6/27	5/27	4/27	3/27	2/27	1/27	12/26	11/26	10/26	9/26	8/26	7/26	6/26	5/26	4/26	3/26	2/26	1/26	12/25	11/25	10/25	9/25	8/25	7/25	6/25	5/25	4/25	3/25	2/25	1/25	12/24	11/24	10/24	9/24	8/24	7/24	6/24	5/24	4/24	3/24	2/24	1/24	12/23	11/23	10/23	9/23	8/23	7/23	6/23	5/23	4/23	3/23	2/23	1/23	12/22	11/22	10/22	9/22	8/22	7/22	6/22	5/22	4/22	3/22	2/22	1/22	12/21	11/21	10/21	9/21	8/21	7/21	6/21	5/21	4/21	3/21	2/21	1/21	12/20	11/20	10/20	9/20	8/20	7/20	6/20	5/20	4/20	3/20	2/20	1/20	12/19	11/19	10/19	9/19	8/19	7/19	6/19	5/19	4/19	3/19	2/19	1/19	12/18	11/18	10/18	9/18	8/18	7/18	6/18	5/18	4/18	3/1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